

What is claimed is:

[Claim 1] 1. A method of forming a solid-state image sensor, comprising the steps of:

forming a plurality of photosensor elements on a substrate;

forming a plurality of color filters on the plurality of photosensors ;

forming a light blocking member between adjacent color filters; and

forming a plurality of microlenses on the plurality of color filters;

wherein each photosensor corresponds to each color filter and each microlens, for receiving an incident light of specific spectrum.

[Claim 2] 2. The method of claim 1, wherein the light blocking member comprises a light-impervious film made of metal or chemical compound.

[Claim 3] 3. The method of claim 1, wherein the image sensor is a charge-coupled device (CCD).

[Claim 4] 4. The method of claim 1, wherein the image sensor is a CMOS sensor.

[Claim 5] 5. A solid-state image sensor which is produced according to the method of claim 1.